

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: _____ Date Completed: 9/23/94

Remediation Method: Excavation ☒ Approx. cubic yards 320
(Check all appropriate sections) Landfarmed ☒ Insitu Bioremediation _____
Other _____

Remediation Location: Onsite ☒ Offsite _____
(ie. landfarmed onsite, name and location of offsite facility)

General Description Of Remedial Action: _____
Excavation _____

Ground Water Encountered: No ☒ Yes _____ Depth _____

Final Pit:
Closure Sampling:
(if multiple samples, attach sample results and diagram of sample locations and depths)

Sample location see Attached Documents

Sample depth 6' (NORTH SIDEWALL)

Sample date 9/21/94 Sample time 1320

Sample Results

Benzene(ppm) ND

Total BTEX(ppm) 0.090

Field headspace(ppm) 356

TPH 13 ppm

Ground Water Sample: Yes _____ No ☒ (If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 9/23/94

SIGNATURE

B. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
ENVIRONMENTAL COORDINATOR

PIT NO: A0106

C.O.C. NO: 3925

FIELD REPORT: CLOSURE VERIFICATION

JOB No: 92140
PAGE No: 1 of 1

LOCATION: NAME: VALENCIA CANYON UNIT WELL #: 8 PIT: BLOW
QUAD/UNIT: E SEC: 25 TWP: 28N RNG: 4W BM: NMPM CNTY: RA ST: NM
QTR/FOOTAGE: CONTRACTOR: CAROL VAUGHN

DATE STARTED: 9/21/94
DATE FINISHED: 9/21/94
ENVIRONMENTAL SPECIALIST: Rmy

SOIL REMEDIATION: EXCAVATION APPROX. 30 FT. x 36 FT. x 8 FT. DEEP.
DISPOSAL FACILITY: ON-SITE LANDFARM CUBIC YARDAGE: 320
LAND USE: CARSON NATIONAL FOREST LEASE: FEDERAL LEASE NM-14919

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 200 FEET S20°W FROM WELLHEAD.
DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'
NMOC D RANKING SCORE: 0 NMOC D TPH CLOSURE STD: 5000 PPM

SOIL AND EXCAVATION DESCRIPTION: Rain Water is collected in the north west corner of the pit bottom (3" deep).

Contamination Exceeding NMOC standards exceeded in the field for NOB. LABORATORY SAMPLES TAKEN FROM NOB for BTEX and 4/18. Recommend closure of pit if Lab sample indicate contamination is below NMOC standards.

10/3/44 Recommended Closure to Carol Vaughn

FIELD 418.1 CALCULATIONS

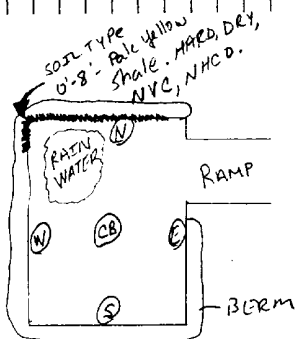
SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FRECN	DILUTION	READING	CALC. ppm

SCALE



Susp. GROUNDWATER and
SURFACE WATER
FLOW.

PIT PERIMETER



OVM RESULTS

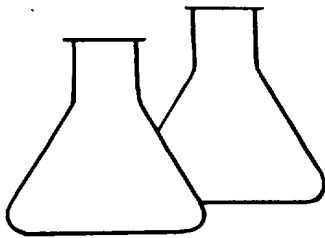
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PIT PROFILE

0'-8' Reddish Brown Sandy Silt with Clay.
MOIST, FIRM, COHESIVE.
No Visible discoloration.
No Hydrocarbon odor.

North Wall is shale, pale yellow,
FIRM TO HARD, DRY, NO
Visible Contamination,
NO Hydrocarbon odor.

TRAVEL NOTES: CALLOUT: ON SITE



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Amoco	Project #:	92140
Sample ID:	N @ 6'	Date Sampled:	09-21-94
Laboratory Number:	7901	Date Received:	09-21-94
Sample Matrix:	Soil	Date Analyzed:	09-22-94
Preservative:	Cool	Date Reported:	09-23-94
Condition:	Cool and Intact	Analysis Needed:	TPH

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	13	10.0

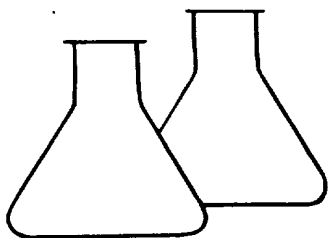
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

Method: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No.4551, 1978

Comments: Valencia Canyon Unit # 8 Blow Pit A0106

Rex D. Gault
Analyst

Monis D. Young
Review



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Amoco	Project #:	92140
Sample ID:	N @ 6'	Date Reported:	09-23-94
Laboratory Number:	7901BTEX.	Date Sampled:	09-21-94
Sample Matrix:	Soil	Date Received:	09-21-94
Preservative:	Cool	Date Extracted:	09-22-94
Condition:	Cool & Intact	Date Analyzed:	09-22-94
		Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
-----	-----	-----
Benzene	ND	13.3
Toluene	56	20.0
ethylbenzene	ND	20.0
p,m-Xylene	34	20.0
o-Xylene	ND	20.0

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	-----	-----
	Trifluorotoluene	120 %
	Bromofluorobenzene	101 %

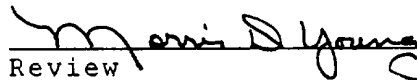
Method: Method 5030, Purge-and-Trap, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, July 1992

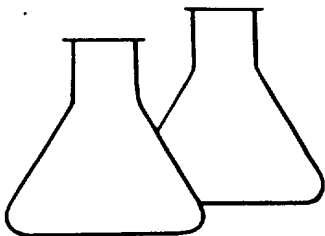
Method 8020, Aromatic Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

ND - Parameter not detected at the stated detection limit.

Comments: Valencia Canyon Unit #816 Blow Pit A0105 A0106


Analyst


Review



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Amoco	Project #:	92140
Sample ID:	CB @ 8'	Date Sampled:	09-21-94
Laboratory Number:	7902	Date Received:	09-21-94
Sample Matrix:	Soil	Date Analyzed:	09-22-94
Preservative:	Cool	Date Reported:	09-23-94
Condition:	Cool and Intact	Analysis Needed:	TPH

Parameter -----	Concentration (mg/kg) -----	Det. Limit (mg/kg) -----
Total Petroleum Hydrocarbons	ND	10.0

ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

Method: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No.4551, 1978

Comments: Valencia Canyon Unit # 8 A0106

Rex L. Griffin
Analyst

Marion D. Young
Review

CLIENT: AMOCOBLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199LOCATION NO: A0106

C.O.C. NO: _____

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: VCU WELL #: 8 PITS: BLOW
QUAD/UNIT: E SEC: 25 TWP: 28N RNG: 4W PM: NM CNTY: RA ST: NM
QTR/FOOTAGE: _____ CONTRACTOR: _____DATE STARTED: 11-18-97
DATE FINISHED: _____ENVIRONMENTAL
SPECIALIST: JCS

SOIL REMEDIATION:

REMEDICATION SYSTEM: LANDFARMAPPROX. CUBIC YARDAGE: 320LAND USE: RANGE

LIFT DEPTH (ft): _____

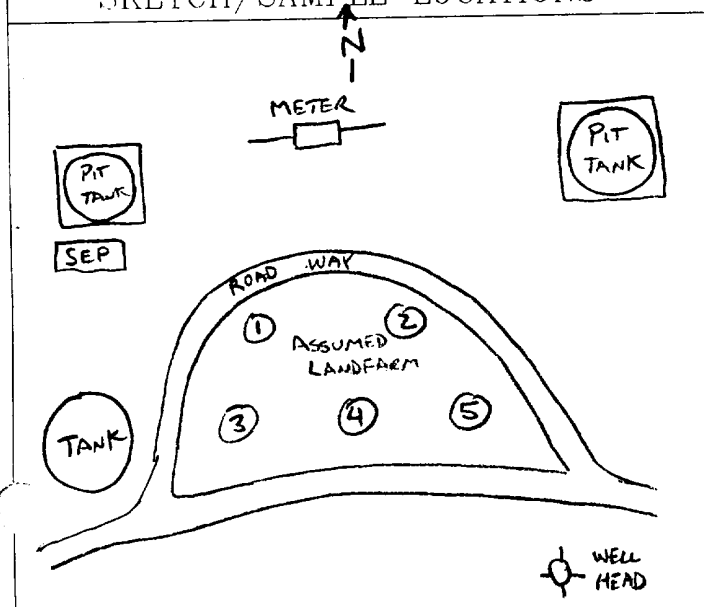
FIELD NOTES & REMARKS:

DEPTH TO GROUNDWATER: >100 NEAREST WATER SOURCE: >1000 NEAREST SURFACE WATER: >1000NMDCD RANKING SCORE: 0 NMDCD TPH CLOSURE STD: 5000 PPM

FIELD 418.1 CALCULATIONS

SAMP. TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1115	LF-1	1939	5.0	20.0	4X	12	48

SKETCH/SAMPLE LOCATIONS



OVM RESULTS

LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE PID (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
LF-1	0.0				

SCALE

0 FT

TRAVEL NOTES:

CALLOUT: _____ ONSITE: _____

BLAGG ENGINEERING, INC.

P.O. Box 87, Bloomfield, New Mexico 87413

Phone: (505)632-1199 Fax: (505)632-3903

**FIELD MODIFIED EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS**

Client: AMOCO
Sample ID: Landfarm
Project Location: VCU # 8
Laboratory Number: TPH-1939

Project #:
Date Analyzed: 11-19-97
Date Reported: 11-19-97
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	48	20

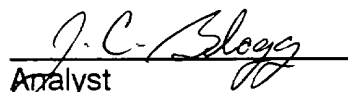
ND = Not Detectable at stated detection limits.

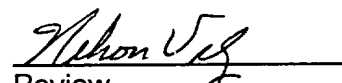
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	608	568	6.80

*Administrative Acceptance limits set at 30%.

Method: Modified Method 418.1, Petroleum Hydrocarbons, Total
Recoverable, Chemical Analysis of Water and Waste,
USEPA Storet No.4551, 1978

Comments: Landfarm Composite Sample


Analyst


Review

BLAGG ENGINEERING, INC.

P.O. Box 87, Bloomfield, New Mexico 87413

Phone: (505)632-1199 Fax: (505)632-3903

Field TPH-Worksheet

Max Characters:

Client:

Sample ID:

Project Location:

Laboratory Number:

AMOCO

Landfarm

VCU # 8

TPH-1939

Project #:

Date Analyzed:

Date Reported:

Sample Matrix:

11-19-97

11-19-97

Soil

Sample Weight: 5.00 grams
Volume Freon: 20.00 mL
Dilution Factor: 1 (unitless)
TPH Reading: 12 mg/kg

TPH Result: 48.0 mg/kg
Reported TPH Result: 48 mg/kg
Actual Detection Limit: 20.0 mg/kg
Reported Detection Limit: 20 mg/kg

QA/QC:

Original
TPH mg/kg

608

Duplicate
TPH mg/kg

568

%
Diff.

6.80

Comments: *****Max Characters*****

Comments: Landfarm Composite Sample